position angles; and while I cannot resist the evidence borne by the results of such accurate observers as the Rev. Mr. Dawes, Captain Jacob, and Mr. Fletcher, with regard to the diminution of the distance, I am unable to reconcile the comparatively great change in that element with the companion's slow motion in angle. I have attempted, but with no good success, to improve upon the orbits I arrived at in 1854, and which appeared in the *Monthly Notices* for December of that year. Although a fresh set of elements, derived from the solution of equations of condition, afforded a better series of distances, the corresponding angular errors were much increased.

"As remarks have been made, assuming that the distance, according to my orbit of 1854, is still on the increase, I may be allowed to mention that such is not the case; the maximum was reached about two years ago.

"126. *Cycle* 836. This star is well worthy of attention, the *comes* having described an angle of about 6° in a retrograde direction since 1834·79. The distance also has undergone a considerable decrease.

Epoch.	Pos.	Dist.	Observer.
1824·8	274·07	7·98	South.
1834·79	272·1	7·5	Smyth.
1855·873	266·12	6·23	Powell.

"As A's proper motion would produce a variation in the position angle contrary to that which has taken place, and B has had no proper motion assigned to it, there exists a strong probability of the physical connexion of the pair."

Observed Right Ascensions and North Polar Distances of recently discovered small Planets obtained from Meridian Observations at the Royal Observatory, Greenwich.

Victoria.

Mean Solar Time of Observation.		Apparent R.A.	Apparent N.P.D.
	h m s	h m s	° ′ ″
1856, April 4	8 36 9·3	9 29 30·49	86 55 54·39
7	8 24 0·3	9 29 9·25	86 40 34·32

Euphrosyne.

Mean Solar Time of Observation.		Apparent R.A.	Apparent N.P.D.
	h m s	h m s	° ′ ″
1856, April 4	9 15 36·3	10 9 3·99	47 32 39·78
12	8 42 43·0	10 7 37·73	49 21 30·76

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1856MNRAS..16..172.

Egeria.

Mean Solar Time of Observation.		Apparent R.A.	Apparent N.P.D.
	h m s	h m s	° ′ ″
1856, April 4	9 21 52·6	10 15 21·39	56 45 17·29
15	8 37 24·1	10 14 7·63	58 40 43·89
21	8 14 41·3	10 15 0·44	59 49 58·58

Lætitia.

Mean Solar Time of Observation.		Apparent R.A.	Apparent N.P.D.
	h m s	h m s	° ′ ″
1856, April 4	9 51 2·1	10 44 35·61	78 40 17·24
12	9 16 45·9	10 41 46·20	78 8 52·21
16	9 0 7·8	10 40 51·57	77 56 58·07
19	8 47 52·5	10 40 23·93	78 49 47·13
21	8 39 48·6	10 40 11·83	77 45 45·62

Thetis.

Mean Solar Time of Observation.		Apparent R.A.	Apparent N.P.D.
	h m s	h m s	° ′ ″
1856, April 4	12 33 26·8	13 27 27·05	89 1 38·45
10	12 4 44·2	13 22 18·97	88 21 33·90
12	11 55 8·3	13 20 34·68	88 9 43·42
21	11 12 8·0	13 12 56·29	87 21 39·12
22	11 7 23·8	13 12 7·81	87 17 9·31
28	10 39 (10),		86 54 46·86

Harmonia.

Mean Solar Time of Observation.		Apparent R.A.	Apparent N.P.D.
	h m s	h m s	° ′ ″
1856, April 12	11 36 30·7	13 1 53·96	88 53 31·96
19	11 2 33·9	12 55 27·45	88 22 48·80
21	10 52 58·8	12 53 43·95	88 15 31·13
22	10 48 12·8	12 52 53·67	88 12 9·01
24	10 38 43·6	12 51 16·09	88 5 52·90

The N.P.D.'s are corrected for refraction and parallax.

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